

Work Order ID 123356

November-25-14 1:49:27 PM

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Item ID: 646.2910

Revision ID:

Item Name: Deflector

Start Date: 8/07/14

Start Qty: 20.00

Required Date: 8/07/14

Req'd Qty: 20.00

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Run

Start

NR1

Stop

NR2

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

Draw Nbr

Revision Nbr

646.2900

N/C

100

0.00

100

HAAS 1

Memo

0.00

HAAS CNC vertical machine #1

DAS
20
9-89

14-11-30

20

0

DAS
44
9-89

14/11/28

120

QC2- Inspect parts off machine FAI/FAIB

0.00

120

QC

Memo

0.00

Quality Control

DAS
20
9-89

14-11-30

20

0

DAS
44
9-89

14/11/28

130

QC8- Inspect parts - second check

0.00

130

QC

Memo

0.00

Quality Control

14/11/30

20

0

DAS
08
9-89

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Item ID: 646.2910 Accept *N900040100* Setup Start *NS1*
 Revision ID: Stop *NS2*
 Item Name: Deflector
 Start Date: 8/07/14 Start Qty: 20.00 *20* Cust Item ID:
 Required Date: 8/07/14 Req'd Qty: 20.00 *20* Customer:
 Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start *NR1*
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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131		0.00							
131	HandFinish								
	Hand Finishing								
	Memo	0.00							
	CLEAN AND REMOVE ALL PART MARKING								

140	Outsource process-Anodize per QSI017 4.1.10.1	0.00							
140									
	Outsource4								
	Outsource process - Anodize								
	Memo	0.00							
	Issue P/O to ATG : 26682								
	1- Black Anodize as per Dwg 646.2900								
	2- PRIME AS PER DWG, SEE NOTE #2								
	Certification of Conformity is required								

150	Receive & Inspect for Damage & Mat'l Certs	0.00							
150									
	Packaging								
	Packaging								
	Memo	0.00							

CZ 14/12/02 20

201 SP14-12-23

Work Order ID 123356

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Item ID: 646.2910 Accept *N900040100* Setup Start *NS1*
 Revision ID: Stop *NS2*
 Item Name: Deflector
 Start Date: 8/07/14 Start Qty: 20.00 *20* Cust Item ID:
 Required Date: 8/07/14 Req'd Qty: 20.00 *20* Customer:
 Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start *NR1*
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
155	QC5- Inspect part completeness to step on W/O	0.00				(20)			DAG 38 9-89
155									
QC	Memo	0.00							
Quality Control									JAN 19 2015

180	Identify as per dwg & Stock Location <u>CCL5</u>	0.00				20			DAG 06 9-89
180									
Packaging	Memo	0.00							
Packaging	***IDENTIFY AS PER APICAL MPP-120 BY STAMPING P# AND REV***								FEB 04 2015

190	QC21- Final Inspection - Work Order Release	0.00							
190									
QC	Memo	0.00							
Quality Control									MLJ 1502-05 mf 15-2-94

Picklist Print

November-25-14 1:49:27 PM

Work Order ID: 123356

123356

Parent Item: 646.2910

646 2910

Parent Item Name: Deflector

Start Date: 8/07/14

Required Date: 8/07/14

Start Qty: 20.00

Required Qty: 20.00

Comments: IPP REV:A NEW ISSUE 13-04-18 JLM VERIFIED BY:DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
646.2900E		Manufactured	No				f	180.0000		76			

646 2900F

Deflector

Location

MAT035

123832

Loc Qty

180

180

Loc Code

P 14/11/27

79.2

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 03694				SHEET 1 OF 1	
	DWG NO. 646.2900	REV: N/C	PREPARED BY B. PETERS	DATE: 11/14/12	EFFECT ON DWG ☐ INC. ☒ UNINC.	
	DWG TITLE: DEFLECTOR					
APPROVED BY: ENGR. <i>JKL</i>		MFG. <i>Don Baker</i>	QC <i>[Signature]</i>	EFF: NEXT ORDER		
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE		REASON: ADDED ALTERNATE MATERIAL.			ECR: D-12-002	

IS

1 PRIMARY MATERIAL: 7075-T6 ALUMINUM PER AMS-QQ-A-225/9.
ALTERNATE MATERIAL: 7075-T6511 ALUMINUM PER AMS-QQ-A-200/11.

u/0123356

SHEET 1, ZONE A2 IS:

F/N	TC	PART NUMBER	QTY	DESCRIPTION	MATERIAL	SPECIFICATION
DOCUMENTS EFFECTED:					CHANGE CATEGORY	DER REVIEW REQUIRED
☐ RFMS ☐ MDL ☐ INSTALL INSTRU ☐ ICA ☐ BOM					☐ MAJOR ☒ MINOR	☐ YES ☒ NO

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE 03207				SHEET 1 _ JF 1	
	DWG NO. 646.2900		REV: N/C	PREPARED BY PB	DATE: 08/29/11	EFFECT ON DWG ☐ INC. ☒ UNINC.
	DWG TITLE: DEFLECTOR					
	APPROVED BY:	ENGR <i>[Signature]</i>	MFG <i>[Signature]</i>	QC <i>[Signature]</i>	EFF: CURRENT ORDER	
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE		REASON: ADDED ALTERNATE BASE MATERIAL				

SHEET 1, ZONE A2, NOTE 1 IS:

NOTES:

1

MATERIAL: 7075-T6 ALUMINUM PER AMS-QQ-A-225/9 OR AMS-QQ-A-250/12

2

FINISH: HARD ANODIZE IAW MIL-A-8625 TYPE III CLASS 2,
COLOR BLACK; CARDINAL 4860-50 PRETREATMENT PRIMER;
PRIME IAW MIL-P-23377J TYPE I CLASS N

3.

DEBURR AND BREAK ALL SHARP EDGES

4.

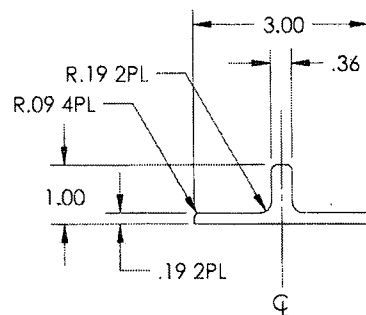
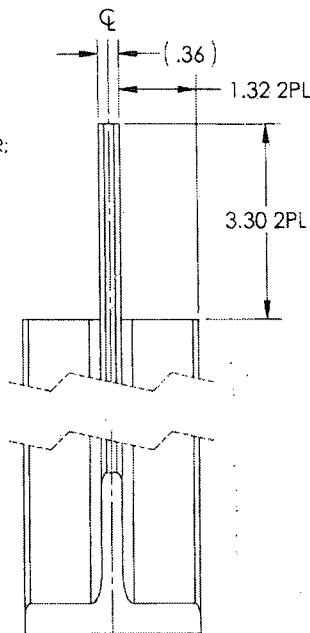
IDENTIFY IAW MPP-120

F/N	TC	PART NUMBER	QTY	DESCRIPTION	MATERIAL	SPECIFICATION	
DOCUMENTS EFFECTED:				☐ MDL ☐ INSTALL INSTRUC ☐ ICA ☐ BOM	CHANGE CATEGORY ☐ MAJOR ☒ MINOR	DER REVIEW REQUIRED ☐ YES ☒ NO	

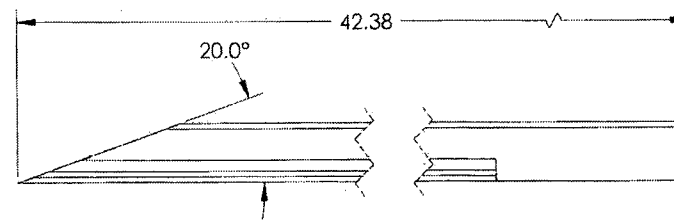
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.

NOTES:

- 1 MATERIAL: 7075-T6 ALUMINUM PER AMS-QQ-A-225/9
- 2 FINISH: HARD ANODIZE IAW MIL-A-8625 TYPE III CLASS 2, COLOR BLACK; CARDINAL 4860-50 PRETREATMENT PRIMER; PRIME IAW MIL-P-23377J TYPE I CLASS N
- 3 DEBURR AND BREAK ALL SHARP EDGES
- 4 IDENTIFY IAW MPP-120



646.2910



UNINCORPORATED ECN(s)

03207, 03694

646.2910		DEFLECTOR		APICAL INDUSTRIES	
QTY	FIND #	PART #	DESCRIPTION	MAT'L	SPEC.
PARTS LIST					
NEXT ASSY IS		ORIGINAL DATE		DATE OF CHG	
646.4000		646.2910		646.2900	
DRAWING APPROVAL		DATE OF CHG		DATE OF CHG	
UNLESS OTHERWISE SPECIFIED		TOLERANCES ARE		TOLERANCES ARE	
DIMENSIONS ARE IN INCHES		DIMENSIONS ARE IN INCHES		DIMENSIONS ARE IN INCHES	
FRACTIONS ARE TO BE		FRACTIONS ARE TO BE		FRACTIONS ARE TO BE	
PLACES DECIMALS TO TWO		PLACES DECIMALS TO TWO		PLACES DECIMALS TO TWO	
ANGLES TO 5'		ANGLES TO 5'		ANGLES TO 5'	
SCALE: NONE		SHEET 1 OF 1		SHEET 1 OF 1	



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO26682**

Purchase Order Date 12/2/2014

PO Print Date 12/9/2014

Page Number 2 of 7

Order From :

VC-ATG001

Ship To : DART AEROSPACE LTD

A.T.G. INDUSTRIES INC.
731 INDUSTRIELLE ROAD
ROCKLAND, ON K4K 1T2
CANADA

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone

613-446-4544

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

Ship To Contact

Ship To Phone

Ship Via:

VENDOR'S TRUCK

Ship Acct:

3	125788	D5140-1 UPPER CUTTER REV. A	12/10/2014	5.00	\$10.25	\$51.2
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Yes

12/19/2014

AS ABOVE

Line Total: \$51.2

4	125828	D5140-2 UPPER CUTTER REV. A	12/10/2014	5.00	\$10.25	\$51.2
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Yes

12/19/2014

AS ABOVE

Line Total: \$51.2

5	123356	646.2910 DEFLECTOR REV. N/C	12/10/2014	20.00	\$48.00	\$960.0
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Yes

12/19/2014

AS ABOVE

Line Total: \$960.0

SP14-12-23

Note:

12/9/2014



A.T.G. Industries Inc.
 731, rue Industrielle Rd.
 PLATING DEPARTMENT
 Rockland, On K4K 1T2
 Canada
 Ph: (613) 446-4544
 Fax: (613) 446-4556

Pack List

Number: 63448

Date: 19-Dec-14

To

DART AEROSPACE LTD
 1270 ABERDEEN ST.
 HAWKESBURY, ON K6A 1K7
 Canada

Ship To

DART AEROSPACE LTD
 1270 ABERDEEN ST.
 HAWKESBURY, ON K6A 1K7
 Canada

Ph: 613-632-5200

Fax: 613-632-1185

Ph: 613-632-5200

Fax: 613-632-1185

Terms		Ship Via	
Quantity	Description		
	HARD ANODIZE AS PER MIL-A-8625 TY III, CLASS 2 PRIME AS PER MIL-P-23377J TYPE I CLASS N PRIMER IS SUPPLY BY THE CUSTOMER Job: 20140853 PO: PO26682 Line: 3		
5 ea	Part: D5140-2 UPPER CUTTER HARD ANODIZE AS PER MIL-A-8625 TY III, CLASS 2 PRIME AS PER MIL-P-23377J TYPE I CLASS N PRIMER IS SUPPLY BY THE CUSTOMER Job: 20140854 PO: PO26682 Line: 4	Rev: A	
20 ea	Part: 646.2910 DEFLECTOR HARD ANODIZE AS PER MIL-A-8625 TY III, CLASS 2 PRIME AS PER MIL-P-23377J TYPE I CLASS N PRIMER IS SUPPLY BY THE CUSTOMER Job: 20140855 PO: PO26682 Line: 5	Rev: N/C	
1 ea	Part: 646.3210 SUPPORT HARD ANODIZE AS PER MIL-A-8625 TY III, CLASS 2 PRIME AS PER MIL-P-23377J TYPE I CLASS N PRIMER IS SUPPLY BY THE CUSTOMER Job: 20140856 PO: PO26682 Line: 6	Rev: N/C	
10 ea	Part: 646.3012 LOWER GUIDE HARD ANODIZE AS PER MIL-A-8625 TY III, CLASS 2 PRIME AS PER MIL-P-23377J TYPE I CLASS N PRIMER IS SUPPLY BY THE CUSTOMER	Rev: N/C	

88 14-12-23



A.T.G. Industries Inc.
731, rue Industrielle Rd.
PLATING DEPARTMENT
Rockland, On K4K 1T2
Canada
Ph: (613) 446-4544
Fax: (613) 446-4556

Pack List

Number: 63448

Date: 19-Dec-14

To

DART AEROSPACE LTD
1270 ABERDEEN ST.
HAWKESBURY, ON K6A 1K7
Canada

Ship To

DART AEROSPACE LTD
1270 ABERDEEN ST.
HAWKESBURY, ON K6A 1K7
Canada

Ph: 613-632-5200

Fax: 613-632-1185

Ph: 613-632-5200

Fax: 613-632-1185

Terms		Ship Via	
Quantity	Description		
	Job: 20140857 PO: PO26682 Line: 7		
6 ea	Part: 646.9810 Rev: A DEFLECTOR HARD ANODIZE AS PER MIL-A-8625 TY III, CLASS 2 PRIME AS PER MIL-P-23377J TYPE I CLASS N PRIMER IS SUPPLY BY THE CUSTOMER Job: 20140858 PO: PO26682 Line: 8		
6 ea	Part: 646.9813 Rev: A LOWER DEFLECTOR HARD ANODIZE AS PER MIL-A-8625 TY III, CLASS 2 PRIME AS PER MIL-P-23377J TYPE I CLASS N PRIMER IS SUPPLY BY THE CUSTOMER Job: 20140859 PO: PO26682 Line: 9		
<u>Certificate of Conformance</u> A.T.G. Industries certifies that all items in this shipment are in conformance with all requirements, specifications and drawings referenced in the purchase order. ISO 9001 : 2008 REGISTERED ATG SALES-2010 TERMS APPLY DATE: 19/12/14 CERTIFIED SIGNATURE:  RECEIVER SIGNATURE: _____			

SP14-12-23